SIEMENS

MAMMOMAT 2 / 3 / -Stereo

SP

Replacement Instruction

Replacement of the lifting carrige - rope

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Safety information and protective measures

Prior to performing any work inside the unit, the system must be disconnected from the main power by switching off the main power switch. When the sysem is switched off via the operating panel, voltage is still present at the generator of the Mammomat.

When performing repair work and tests, adhere to:

- the product-specific safety information in then technical documentation (system binder)
- as well as the general safety information in the ARTD Part 2

Tools required

Standard assemby tool

Ratchet with 24 mm hex. insert

Parts required

Rope part-no. 11 85 680 G2116

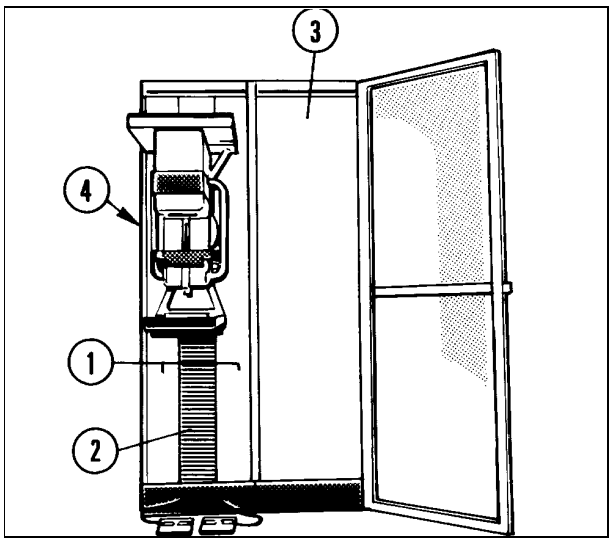

Fig. 1

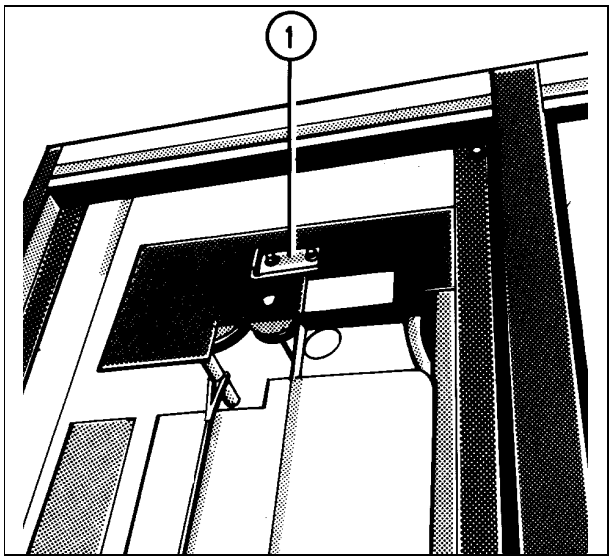

Fig. 2

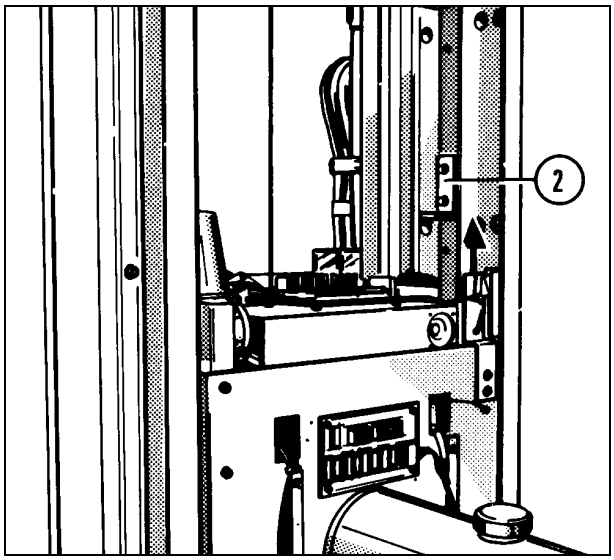

Fig. 3

Removing the housing

- Remove the covers (1/Fig.1) from both sides of the front of the column.
- Remove the bellows (2/Fig.1).
- Only Mammomat 2: remove the front panel (3/Fig.1) from the generator cabinet.

Attaching the safety bracket

- Take the red safety bracket from its park position (1/Fig.2) and secure it (2/Fig.2) so it blocks the upward movement of the carrige.
- Move the carrige up (see arrow) to the point where it contacts the block (Fig.3).
- Switch Mammomat and Installation contactor off.

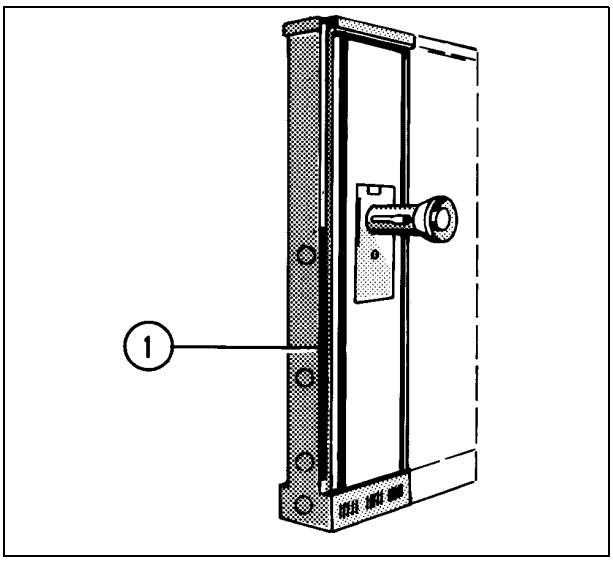

Fig. 4

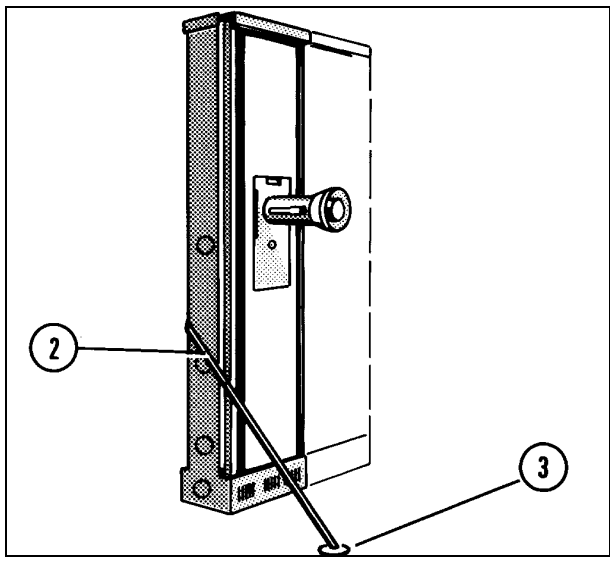

Fig. 5

Removal of the stand

NOTICE	**This is only necessary, if the back of the column is not accessable.**

- Remove the side panel (-panels) (4/Fig.1) on the stand.
- Unscrew the both support brackets from the park position (1/Fig.4) and attach it to the column as a tip guard as shown in 4/Fig.5.

NOTICE	**Place the plastic floor ground beneath the support bracket to guard against the demage.**

- Only Mammomat 2
  - Remove the 4 anchors screws between the stand and the generator.
- Remove the 4 screws anchoring the column to the floor.
- Carefully slide the cabinet forward while guarding against damaging the cables connecting the two cabinets. It is not nessesary to disconnect this cables!
- Only Mammomat 2
  - Install second support bracket at stand now.

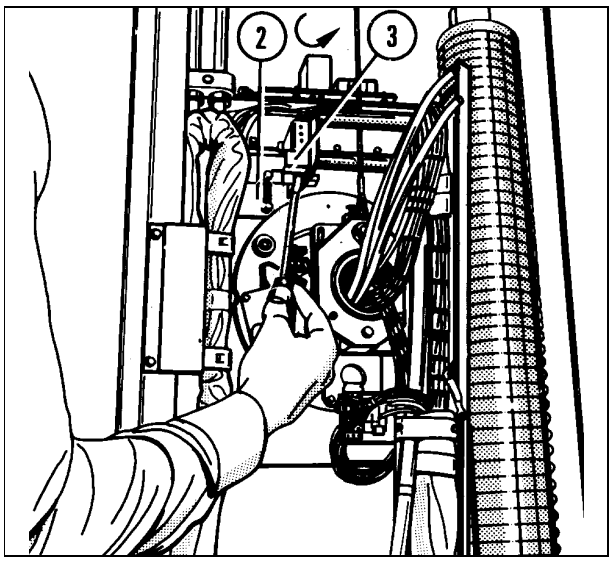

Fig. 6

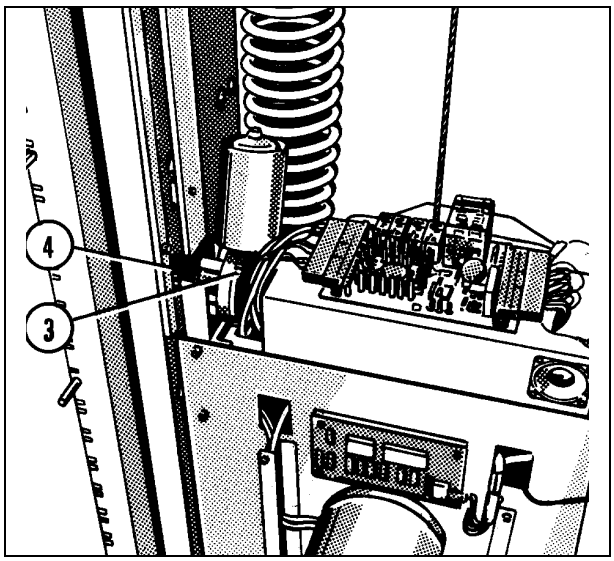

Fig. 7

Secure the lifting carrige in most upper position

- Remove the rear panel of the stand.
- Unscrew the red safety bracket (2/Fig.3) and secure it in its park position (1/Fig.2).

NOTICE	**The web must point to the left; otherwise there is a risk of collision with PC board D4.**

- Switch Installation contactor and the Mammomat on.
- Move lifting carrige upwards (up to electrical shutdown) and then approx. 3 cm downwards.
- Switch Mammomat and the Installation contactor off.
- Engage the drop safety (2/Fig.6) push the locking handle (3/Fig.6) in the direction indicated (arrow/Fig.6).
- loosen the 3 screws on the lifting motor (3/Fig.7) and push the motor back so the gear wheel (4/Fig.7) is disengaged.
- Check: It must not be possible to push the lifting carrige downwards!

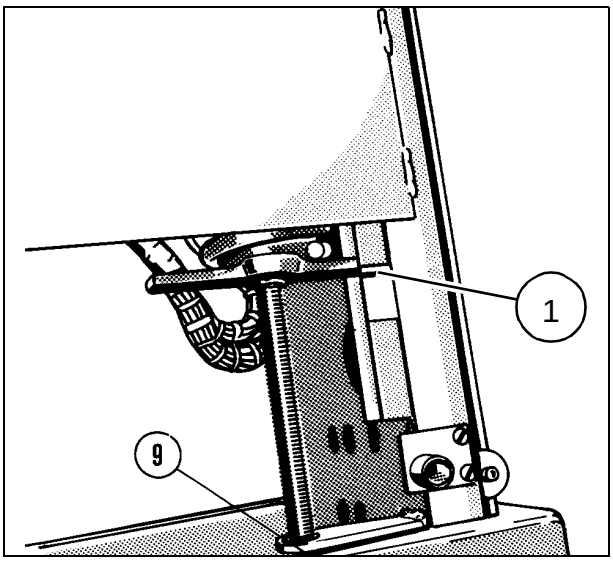

Fig. 8

Relieve extension spring

- Mark the position of the extension spring (1/Fig.8).
- Relieve extension spring (9/Fig.8) completely with ratchet SW 24 mm.

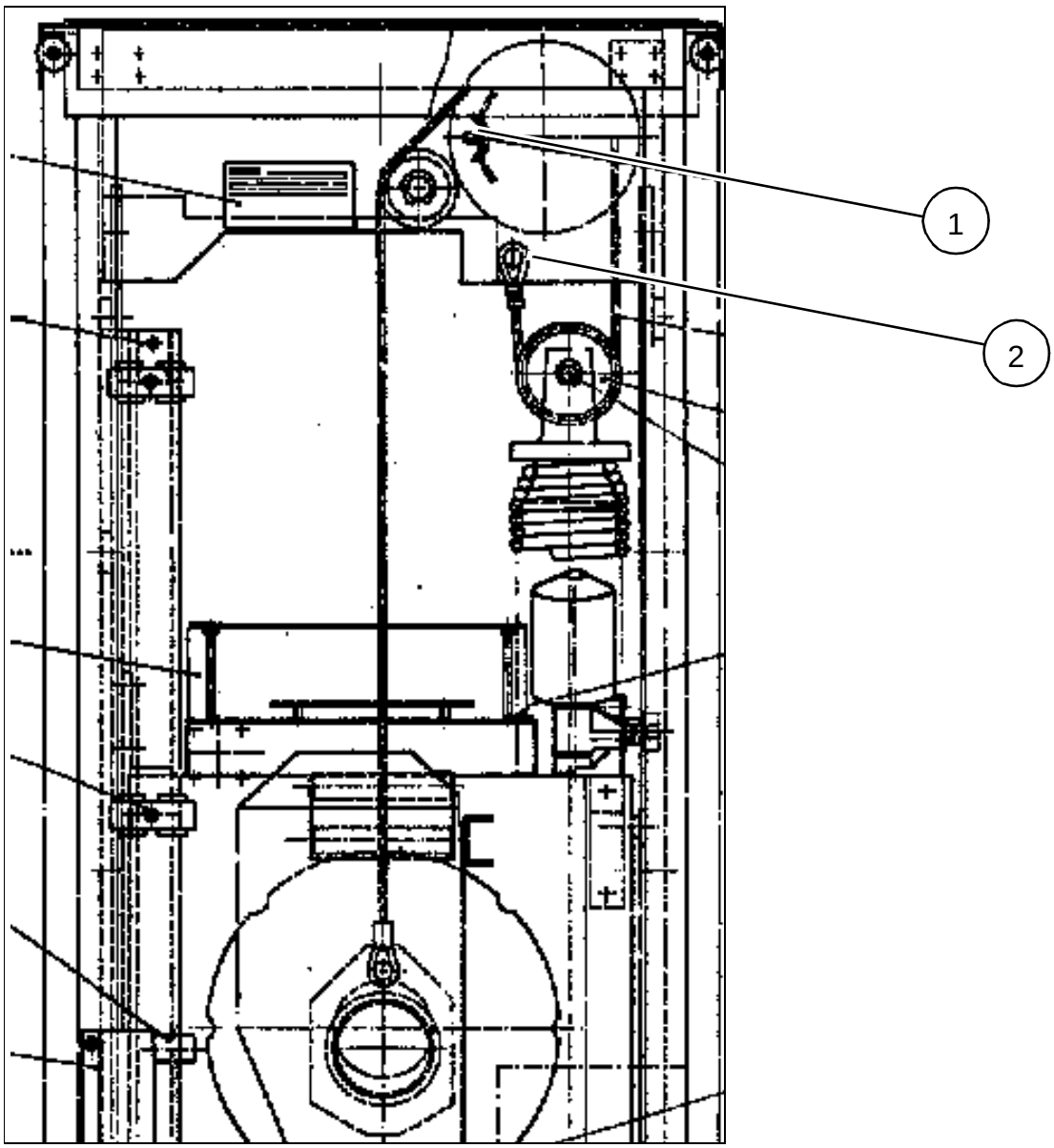

Fig. 9

Replacement of the rope

- Remove old rope
- Install new rope:
  - install the red marked eye like (2/Fig. 9).
  - insert the rope (1/Fig.9) in the wheel of the spring.
  - install the rope with 5.5 turnes at the rope drum.
  - fix the rope at the red marked part (1/Fig. 9) at the drum by the screw.
  - install the rope (Fig. 9) and fix it at the lifting carrige.

Concluding work

- Stretch the balance spring (9/Fig.8) back to its original position.
- Disengage the anti-drop device (3 Fig.6) by pushing the latch upwards (2/Fig.6) upwards with a screwdriver.
- Tension balancing spring (Fig.8) until the lifting carrige is counterbalanced in the vertical direction.
- Engage the gear wheel of the motor (4/Fig.7) and secure the 3 screws (3/Fig.7).
- Instal the rear panel of the stand.
- Push the stand back and bolt together with the generator and the base plate.

Final tests

- Check correct vertical movement of the lifting carrige.
- Check correct rotation of the tubearm.
- Measure the protectiv earth resistance (max. 0.1 Ohm between earth connection and all parts of the unit).
- Reattach all remaining couvers.